



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
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4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 11, 1982

Mr. M. Don Nelson, President
Winecup Resources
4770 South 900 East, Suite 103
Salt Lake City, Utah 84107

RE: Permit Review
Taylor Livestock Mine
ACT/019/016
Grand County, Utah

Dear Mr. Nelson:

A preliminary review of the Taylor Livestock Mine Plan has been made by the Division to determine compliance with Rule M-3 of the Utah Mined Land Reclamation Act of 1975, Title 40-8, Utah Code Annotated 1953.

The plan cannot be assessed completely at this time due to lack of certain information described on the following pages. When this information, including a surety bond estimate, has been submitted, the plan can be assessed for compliance with the regulations.

The Division staff will be glad to help clarify any questions or concerns about these comments. If you would like, a meeting can be set up between your office and members of the review staff. For any further contact, please get in touch with me or Susan Linner of my staff.

Sincerely,

JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

Enclosures

cc: R. Dennis Ickes
Tom Tetting

JWS/SCL:btb

REVIEW OF MINING AND RECLAMATION PLAN

Winecup Resources
Taylor Livestock Mine
ACT/019/016, Grand County, Utah

Rule M-3(1)(a)-(d)

The applicant should submit a topographic map of the permit area showing property boundaries, area previously disturbed by mining, area that will ultimately be disturbed, names of surface and mineral owners, location of proposed or existing facilities and the location of any lakes, rivers, roads and transmission lines within 500 feet of the property boundary. This map should preferably be of a scale such that 1"=400', or less.

The total number of surface acres that will be disturbed, including roads, should be submitted. This may be broken down into disturbance acreage by year, if desired.

Rule M-3(1)(e)

A topographic map of the same scale as the one described above should be submitted to show that drainage will be away from areas where overburden or topsoil will be or has been removed. This map shall indicate the directional flow of water and a drainage plan showing existing or proposed ponds, drainages, berms or diversions. It should also show the location of topsoil storage piles and gravel piles and the water cycle to and from the mine pond.

Rule M-3(1)(f)

Applicant should supply a cross-section of the permit area showing approximate thickness and lithology of the topsoil, overburden material, mineable gravel and underlying bedrock layers.

Rule M-3(1)(g)

Applicant should submit a cross-section of the holding pond showing slopes and composition of the dam and pond bottom. Applicant should submit copies of approval letters from the Department of State Health (Divisions of Environmental Health and Water Quality) and the Division of Water Rights (Dam Safety) approving the facility. A stability analysis should be performed on the large dam.

Applicant should also describe stability of the gravel pile. The gravel storage area should be large enough to allow a minimum angle of repose so that gravel will not fall into the river. A description of road upgrading and maintenance along with a typical road cross-section should be provided.

Rule M-3(1)(h)

Characterize the water to be impounded in the pond (by pH, total dissolved solids, electrical conductivity and concentrations of metals). If any metals occur in toxic concentrations, the applicant must submit a detailed plan to prevent pond water leakage into the Colorado River.

Rule M-3(2)

Applicant should submit a detailed reclamation plan for the disturbed area. This should include reclamation of previously disturbed areas that will be reworked, and take into account the concerns expressed in the following sections.

Rule M-3(2)(b)

Please document Grand County's proposal to use the permit area for highway and bridge construction. If this plan is implemented, how will the operation be affected?

Rule M-3(2)(c)

Applicant should describe removal and separate stockpiling of topsoil, overburden material and gravel layers. Depth of available topsoil should be indicated, as well as depth to which reclaimed area will be recovered with topsoil materials and the volume of stored topsoil at any one time. How long will topsoil be stockpiled and what steps will be taken to stabilize stored topsoil (i.e., erosion control)? Procedure for replacement of gravel, overburden and topsoil layers should be described and a cross-section provided of a typical reclaimed area. If gravel will not be replaced in the cut, the applicant must describe final reclamation or disposal of this material.

Rule M-3(2)(d)

Applicant must commit to backfill all trenches or pits created during the mining operation. If gravel will not be replaced, the applicant will need to submit a plan to bring the area back to its original contours. Slope stability must be maintained with no highwalls left. Pads around trailers will also need to be regraded and contoured. The pond and dam must also be regraded to original contour. Applicant should describe how the above measures will be accomplished.

Rule M-3(2)(e)

A baseline vegetation study of the permit area or adjacent area vegetation community needs to be undertaken to determine whether or not the area supports a vegetative community that can be restored. Existing BLM surveys on similar surrounding areas may be accepted. If it is determined that the area supports vegetation, applicant needs to submit a detailed revegetation plan describing

a seed mix of species adapted to the area (given in terms of pure live seed per species per acre), methods of seeding, mulching, fertilization, irrigation, pest control and vegetation growth monitoring techniques. If there was virtually no vegetation in the area prior to disturbance, applicant must propose an alternative procedure to minimize or control erosion or siltation after mining. The Division can help in putting together either type of plan, if the applicant desires.

Rule M-3(2)(f)

Applicant should submit a timetable for the accomplishment of each major step in the reclamation plan, by year if desired.

Rule M-3(3)

A map showing the mining sequence should be submitted, along with a general description of the mining and milling process, stating use of any chemicals and how they will be contained. In particular, describe the mercury processing and disposal of materials involved, including volumetric gains or losses.

Rule M-5

Applicant should submit an estimate of a reclamation surety bond on a total mine life basis. Enclosed is a copy of the standard bonding form the Division uses. Bond estimate should take into account all items on the form, as well as any other reclamation measures necessary.

Rule M-10

Applicant should submit a contour map of final reclamation topography showing adequate drainage considerations.

Variances

A variance is not needed to return the site to the land uses existing prior to mining operations.

A variance to revegetation cannot be granted unless the area is not vegetated prior to mining (see Section M-3[2][e]) or the applicant demonstrates through the use of test plots that revegetation is not attainable. The Division can help in setting up test plots if desired.

If it is desired that mine roads be left in after operations, a statement from the landowner that leaving roads in is desirable, must be submitted to the Division.

DIVISION OF OIL, GAS, AND MINING
BOND ESTIMATE

OPERATOR:

MINE NAME:

LOCATION:

COUNTY:

DATE:

Operation	Amount	Rate	Cost
<p>A. CLEAN-UP</p> <ol style="list-style-type: none"> 1. Removal of structures & equipment. 2. Removal of trash & debris. 3. Leveling of ancillary facilities pads and access roads. 			
<p>B. REGRADING & RECONTOURING</p> <ol style="list-style-type: none"> 1. Earthwork including haulage and grading of spoils, waste and overburden. 2. Recontouring of highwalls and excavations. 3. Spreading of soil or surficial materials. 			
<p>C. STABILIZATION</p> <ol style="list-style-type: none"> 1. Soil preparation, scarification, fertilization, etc. 2. Seeding or planting. 3. Construction of terraces, waterbars, etc. 			
<p>D. LABOR</p> <ol style="list-style-type: none"> 1. Supervision. 2. Labor exclusive of bulldozer time. 			
<p>E. SAFETY</p> <ol style="list-style-type: none"> 1. Erection of fences, portal coverings, etc. 2. Removal or neutralization of explosive or hazardous materials. 			
<p>F. MONITORING</p> <ol style="list-style-type: none"> 1. Continuing or periodic monitoring, sampling & testing deemed necessary. 			
<p>G. OTHER</p>			